



June 30, 2003

**RECEIVED**

JUL 01 2003

PUBLIC SERVICE  
COMMISSION

Mr. Thomas Dorman  
Executive Director  
Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

Re: PSC Administrative Case No. 387

Dear Mr. Dorman:

Please find enclosed for filing with the Commission in the above-referenced case an original and ten copies of the supplemental responses of East Kentucky Power Cooperative, Inc. ("EKPC") to Request Nos. 8 and 14 of Appendix G to the Commission's order in this case dated December 20, 2001. The other responses of EKPC filed on March 7, 2003, have not changed.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'Charles A. Lile', is written over a light-colored background.

Charles A. Lile  
Senior Corporate Counsel

cal/pg  
Enclosures  
c: Service List

**EAST KENTUCKY POWER COOPERATIVE, INC.  
PSC ADMINISTRATIVE CASE NO. 387  
ANNUAL RESOURCE ASSESSMENT FILING**

**PUBLIC SERVICE COMMISSION REQUEST DATED 12/20/01  
REQUEST 8**

**RESPONSIBLE PERSON: David G. Eames**

**COMPANY: East Kentucky Power Cooperative, Inc.**

**Request 8.** Projected reserve margins stated in megawatts and as a percentage of demand for the current year and the following 4 years. Identify projected deficits and current plans for addressing these. For each year identify the level of firm capacity purchases projected to meet native load demand.

**Response 8.** The tables below and associated notes show the projected reserve margins, capacity needs, and plans to address the needs.

Year	Reserve Margin <sup>1</sup> (%)		Reserve Margin <sup>1</sup> (MW)		Committed Firm Purchases (MW)		Additional Purchases Needed to Meet Reserve Margin (MW)	
	WIN	SUM	WIN	SUM	WIN	SUM	WIN	SUM
2003	9.0%	<b>6.9%</b>	214	<b>139</b>	400	<b>125</b>	70	<b>100</b>
2004	-5.0%	0.0%	-124	0	150	75	420	250
2005	-0.8%	11.3%	-22	248	150	0	330	0
2006	0.5%	10.8%	13	247	0	0	310	30
2007	0.6%	12.8%	16	302	0	0	320	0

Year	Total Firm Purchases (Committed + Needed) Used to Meet Reserve Margin (MW)	
	WIN	SUM
2003	470	225
2004	570	325
2005	480	0
2006	310	30
2007	320	0

## Notes:

1. Reserve margins include existing and committed resources. Committed and planned landfill gas generation projects are included.

EKPC issued an RFP on December 17, 2002, for 150MW (summer)/200 MW (winter) of peaking capacity to be available by December 2004, and an additional 75MW (summer)/100MW (winter) of capacity to be available by December 2005. Proposals were received January 21, 2003, and the evaluation process is nearing completion.

**Discussions are ongoing with two of the shortlist bidders for the needed capacity.** Decisions on additional purchases are expected to be made prior to each peak season.

**EAST KENTUCKY POWER COOPERATIVE, INC.  
PSC ADMINISTRATIVE CASE NO. 387  
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**PUBLIC SERVICE COMMISSION REQUEST DATED 12/20/01  
REQUEST 14**

**RESPONSIBLE PERSON: Paul C. Atchison**

**COMPANY: East Kentucky Power Cooperative, Inc.**

**Request 14.** Identify all planned transmission capacity additions for the next 10 years. Include the expected in-service date, size and site for all planned additions and identify the transmission need each addition is intended to address.

**Response 14 (Supplemental).** EKPC has modified its three-year work plan dated

2003-2005 since the response on March 7, 2003, as follows:

<u>TRANSMISSION PROJECTS 2003 – 2005</u>	<u>TARGET DATE</u>	<u>KENTUCKY COUNTIES</u>	<u>NEED CATEGORY</u>
<b><u>ADDITIONS:</u></b>			
KU Kenton-Flemingsburg 138 kV 17 Miles 795 MCM	Dec. 2004	Mason, Fleming	B
Flemingsburg #2 138-25 kV 12/16/20 MVA	Dec. 2004	Fleming	B
Flemingsburg 138-25 kV 12/16/02 MVA conversion & tap	Dec. 2004	Fleming	B
Goddard 3-138 kV Bkr. Add. & 1-138 kV Circuit Switch	Dec. 2004	Rowan	B
Avon 4% Reactor-Sub Facilities	Dec. 2004	Fayette	B
J.K. Smith CT's 6 & 7 modify East and West 138 kV Bus	Dec. 2004	Clark	B
Spurlock- Sub Facilities to accommodate 5% Reactor	Dec. 2004	Mason	B
Flem.-KU Goddard Reblid. 69-138 kV 9.2 miles MCM	Dec. 2004	Fleming, Rowan	B
Zollicofer 5/6/6.44 MVA 69-12.5 kV Sub & Tap	Dec. 2003	Pulaski	H
Miller Hunt 11.2 MVA 69-25 kV Sub & Tap	Dec. 2004	Clark	H
Hardwick's Creek 5.6/6.44 MVA 69-125 kV Sub & Tap	Dec. 2004	Powell	H
Gap of the Ridge 11.2/14 MVA, 69-25 kV Sub & Tap	Dec. 2005	Wayne	H
Bacon Creek 69 kV 25.51 MVAR Cap. Bank	Dec. 2003	Cumberland	C

**DELETIONS:**

Inland Container-Inland Tap 138 kV .05 mile 795	Dec. 2003	Mason	A, F
KU Kenton-KU Goddard 138 kV rebuild 22.13 mi. MCM ACSR	May 2005	Fleming, Mason	A

**Need Category – Description**

- A – Generation outlet or required facility to integrate new generating unit(s).
- B – Eliminate potential thermal overload(s) for normal or single contingency outage conditions.
- C – Eliminate potential low voltage level(s) for normal or single contingency outage conditions.
- F – Improve transient stability margin at generating plant or generating unit(s).
- H – New member system delivery point.